

Relation: Non-incubated (low conc.) vs Incubated (low conc.)

" vs Incubated (high conc.)

Non-incubated	-	Low Conc (0.1M)	0.7M	(High Conc.)
		Good	1/2 swollen mito.	(3% 0.1M)
non-incubated	-			diffuse membranes
Incubated	-	variable		Good preservation
		(as 0.7M M. 2.)		

Staining (Oss) vs Actual tissue constituents present
Density: Shrinkage vs Protein retention
Swelling vs Extraction (washed out)

Osmolarity: Iqbal & Weasley - (1974) Prep. Proc. Soc. Hampster Ovary

"One can in the present state of knowledge, only observe the actual effect of solutions upon tissues and proceed empirically."

Osmium: A (1959) - E.M. of Spem Tail
(40%)

Stabilization vs Fixation (Glut.)

work to be done: Physiology or development stage of non-incubated vs incubated.

Bone & Ryan - (1972) Osmolarity of Oss & Glut. fixatives p. 346

ELECTRON MICROSCOPE CENTER

Washington State University

No. _____ Plate/Film _____ Development Sept. 22, 1976

Microscope _____ Subjects _____

No.	Specimen Number, Objects and Remarks	True Mag.	Exp.	KV	Mag. Meter	Photo Meter	Oper- ator	Prints
33	73023(24)	19,000						
34		5,400						
35		5,400						
36		19,000						
37	microtubule - diffuse into	19,000						
38	73023 (69)	5,400						
39		19,000						
40		19,000						
41		19,000						
42								
41	73023 - 1% O804 only	5,900						
42		19,000						
43	Glut(5) 66%(2min)	5,400						
44		19,000						
45		19,000						
46								
47	73023 (55)	4,500						
48		19,000						
49	73023 (65)	7,000						
49, 50		19,000						

HCU-125
High
Res.